S/N Unknown PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Scott Sarnikowski et al.

Examiner: Unknown

Serial No .:

Unknown

Group Art Unit: Unknown

Filed:

Herewith

Docket: 500.623U12

Title: .

DATA TRANSMISSION OVER A COMMUNICATION NETWORK (as

amended)

#### PETITION TO DELETE INVENTORS UNDER 37 CFR 1.48(b)(1)

Assistant Commissioner for Patents Washington, D.C. 20231

Pursuant to 37 CFR 1.48(b)(1), Mark J. Dapper, Michael J. Geile, Terrance J. Hill, Harold A. Roberts, Brian D. Anderson, Jeffrey Brede, Mark S. Wadman, Robert J. Kirscht, James J. Herrmann, Michael J. Fort, Steven P. Buska, Jeff Solum, Debra Lea Enfield, Darrell Berg, Thomas Smigelski, Thomas C. Tucker, Joe Hall, Somvay Boualouong, Heng Lou, Mark D. Elpers, Matt Downs, Tammy Ferris, Adam Opoczynski, David S. Russell, Calvin G. Nelson, Niranjan R. Simant and Joseph F. Chiappetta should be deleted as inventors in the above-identified patent application because their invention is not recited in claims 2-37 of the above-identified patent application.

A check in the amount of \$130.00 is enclosed to cover the required petition fee. Please charge any additional fees or credit overpayment to Deposit Account 19-0743.

Respectfully submitted,

SCOTT SARNIKOWSKI ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 373-6920

Date Destamber 15, 1999

David N. Fogg Reg. No. 35,138

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EL273420830US

Date of Deposit: September 15, 1999

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Chris Hammond

Signature

Name

#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

### **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT</u>.

The specification of which was filed on June 28, 1996 as application serial no. 08/673.002 and was amended on September 24, 1996.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

l acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 10 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, \$119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

#### No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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Application Number	Filing Date	Status
08/311,964	September 26, 1994	Allowed
08/457,317	June 1, 1995	Pending
08/457,295	June 1, 1995	Pending
08/650,408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embretson, Janet E.	Reg. No. 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610	Fogg, David N.	Reg. No. 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg No. 35,075	Kalinowski, Leonard J.	Reg. No. 24.207	Slifer, Russell D.	Reg. No. 39,838
Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Viksnins, Ann S.	Reg. No. 37,748
Clark, Barbara J.	Reg. No. 38,107	Kluth, Daniel J.	Reg. No. 32,146	Woessner, Warren D.	Reg. No. 30,440
Dryja, Michael A.	Reg No 39,662	Lemaire, Charles A.	Reg. No 36,198		100B-110-201440

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)339-0331 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor Citizenship: Post Office Address: Signature:	United States of America 655\$ Baywood Lane Cincinnati, OH 45224	Residence: Cincinnati, OH  Date: 1/23/97
	Mark J. Dapper	,
Full Name of joint inventor Citizenship: Post Office Address:	number 2: Michael J. Geile United States of America 316 Miami Valley Drive Loveland, OH 45140	Residence: Loveland, OH
Signature:	Mithael J. Geile	Date:
Full Name of joint inventor Crizenship: Post Office Address: Signature:	number 3: Terrance J. Hill United States of America 1765 Garrett House Lane Fairfield, OH 45014  Terrance J. Hill	Residence: Fairfield, OH  Date: 1/23/97
<u>.</u>		
Full Name of joint inventor Chizzenship: Post Office Address:	number 4: Harold A. Roberts United States of America 7017 Beacon Circle Eden Prairie, MN 55346	Residence: Eden Prairie, MN
Signature:		Date:
_	farold A. Roberts	

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Citizenship: Post Office Address:	number 5: <u>Brism D, Anderson</u> United States of America 11450 - 50th Place North Plymouth, MN 55442	Residence: Plymouth. MN		
Signature:	Brian D. Anderson	Date:		
Full Name of joint inventor Citizenship: Post Office Address:	number 6: <u>Jeffrey Brede</u> United States of America 8073 Curis Lane Eden Prairie, MN 55347	Residence: Eden Prairie, MN		
		Down		
Agnature:		Date:		
	leffrey Brede	. Date:		
ull Name of joint inventor itizenship: ost Office Address:	number 7: Mark S. Wadman United States of America 8956 B. Exton Brise Eden Prairie, MN 55347 Place,	Residence: Eden Prairie, MN		
ull Name of joint inventor itizenship: ost Office Address: ignature:	number 7: Mark S. Wadman United States of America 8956 B. Exten Brist 4416 fa	Residence: Eden Prairie, MN  irfor Hill Dr.  7x 78024		
ull Name of joint inventor inizenship: ost Office Address:  ignature:  ull Name of joint inventor inizenship: ost Office Address:	number 7: Mark S. Wadman United States of America 8756 B. Exten Drive: 4416 Fa Eden Prairie, MN 55347 Plane, Mark S. Wadman	Residence: Eden Prairie, MN  irfor Hill Dr.  7x 78024		
ull Name of joint inventor itizenship: ost Office Address: lignature:  ull Name of joint inventor itizenship:	number 7: Mark S. Wadman United States of America 8956 B. Section Brieve 4416 for Eden Prairie, MN 55347 Place, Mark S. Wadman  number 8: Robert J. Kirschr United States of America 13106 Vernon Avenue South	Residence: Eden Prairie, MN  John Hill Dr.  Tr. 15024  Date: 1/30/97		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Citizenship: United States of America Residence: Plymouth, MN	
D . A CT . L L L L L L L L L L L L L L L L L L	
Post Office Address: 11430 - 50th Place North	
Plymouth, MN 55442	
Signature: Date:	
Brian D. Anderson	
Full Name of joint inventor number 6: <u>Jeffrey Brede</u>	
Citizenship: United States of America Residence: Eden Prairie, MN	
Post Office Address: 8073 Curtis Lane	
Eden Prairie, MN 55347	
Signature: Date:	
Jeffrey Brede	
a a la companya da companya	
Full Name of joint inventor number 7: Mark S. Wadman	
Citizenship: United States of America Residence: Eden Prairie, MN	
Post Office Address: 8956 Braxton Drive	
Eden Prairie, MN 55347	
Signature: Date:	
Mark S. Wadman	
Full Name of joint inventor number 8: Robert J. Kirscht	
Post Office Address:  United States of America Residence: Savage, MN  13106 Vernon Avenue South	
Savage, MN 55378	
Signature: Date:	
Robert J. Kirscht	
X Additional inventors are being named on separately numbered sheets, attached hereto.	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Citizenship: Post Office Address:	United States of America 1894 Sunrise Court Eagan, MN 55122	Residence: Eagan, MN	
Signature:	James J. Herrmann	Date:	
Full Name of joint inver Citizenship:	ntor number 10: Michael J. Fort United States of America	Residence: Eagan, MN	
Post Office Address:	1045 Northview Park Eagan, MN 55123		
Signature:	Michael J. Fort	Date:	
Citizenship: Post Office Address:	utor number 11: Steven P. Buska United States of America 13370 Stanton Drive Minnetonka, MN 55305	Residence: Minnetonka, MN	
Signature:	Steven P. Buska	Date:	
Full Name of joint inven	tor number 12: Jeff Solum		
E Citizenship:	United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Jeff Solum	Date:	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inve Citizenship:	ntor number 13: <u>Debra Lea Enfield</u> United States of America	Residence: Chaska, MN	
Post Office Address:	464 Ridge Court Chaska, MN 55318		
Signature:		Date:	<del></del>
	Debra Lea Enfield		_
Full Name of joint inve	ntor number 14: Darrell Berg		
Citizenship:	United States of America	Residence: Bloomington, MN	
Post Office Address:	4900 West 78th Street Bloomington, MN 55435		
į£			
Signature:		Date:	
5 3 5 3 5 3	Darrell Berg		
oct .			•
Citizenship:	ntor number 15: <u>Thomas Smigelski</u> United States of America	Residence: Lake Zurich, IL	
Post Office Address:	230 Waterford Drive	RESIDENCE. DARE DATEM, 12	
	Lake Zurich, IL 60047		
2			
Signature:		Date:	· <del></del>
ļa.	Thomas Smigelski		
			•
Full Name of joint inves	ntor number 16: Thomas C. Tucker		
Citizenship:	United States of America	Residence: Chapel Hill, NC	
Post Office Address:	205 Silver Creek Trail		
	Chapel Hill, NC 27514		
Signature:		Date:	
	Thomas C. Tucker		-
			_
			•
X Additional inventors:	are being named on separately numbered she	ets, attached hereto.	

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X Additional inventors are being named on separately numbered sheets, attached hereto.

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Full Name of joint invent Citizenship: Post Office Address:	or number 21: Mark D. Eipers United States of America 16303 205th Avenue NW Elk River, MN 55330	Residence: Elk River, MN	
Signature:	Mark D. Elpers	Date:	
Full Name of joint invento Citizenship: Post Office Address:	or number 22: <u>Matt Downs</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Matt Downs	Date:	
Full Name of joint invento Gitizenship: Post Office Address:	or number 23: Tammy Ferris United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Tammy Ferris	Date:	
Citizenship: Post Office Address:	or number 24: Adam Opoczynski United States of America 3705 Roxbury Lane Piano, TX 75025	Residence: Plano, TX	
<b>U</b>			

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Full Name of joint inventor number, 25: David S. Russell

Citizenship:	United States of America	Residence: Minneapolis, MN	
Post Office Address:	5145 Luverne Avenue	instruction, intimucalatini tatta	
	Minneapolis, MN 55419		
Signature:		Date:	
	David S. Russell		
Full Name of joint inven	ntor number 26 : Calvin G. Nelson		•
Citizenship:	United States of America	Residence: Shorewood, MIN	
Post Office Address:	26190 Birch Bluff Road Shorewood, MN 55331		
Signature:		Date:	
	Calvin G. Nelson		
			•
	tor number 27: Niranjan R. Samant		
Citizenship:	United States of America	Residence: Middletown, CT	
Post Office Address:	229 Ridgefield Drive		
<u>į</u>	Middletown, CT 06547		
Signature:		Date:	
Name of the state	Niranjan R. Samant		
			•
	tor number 28: Joseph F. Chiappetta		
Citizenship:	United States of America	Residence: Trumbull, CT	
Post Office Address:	6 Ranch Drive	indicate. Hamban, Ci	
	Trumbull, CT 06611		
Signature:		Date:	
	Joseph F. Chiappetta		
Signature:		Date:	

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Full Name of joint inver Citizenship: Post Office Address:	United States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Samikowski	Date:	_
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	_
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:	<u></u>	Date:	
Full Name of inventor: Citizenship: Post Office Address:	· .	Residence:	
Signature:		Date:	

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#4J

#### § 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

### **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT

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Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Viksnins, Ann S.	Reg. No. 37,748
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Dryja, Michael A.	Reg. No. 39,662	Lemaire, Charles A	Reg. No. 36 198	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1008.110. 30,110

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P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)339-0331

made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 1: Mark J. Dapper **United States of America** Citizenship: Residence: Cincinnati, OH Post Office Address: 6558 Baywood Lane Cincinnati, OH 45224 Signature: Date: Mark J. Dapper Full Name of joint inventor number 2: Michael J. Geile Citizenship: United States of America Residence: Loveland, OH Post Office Address: 316 Miami Valley Drive Loveland, OH 45140 Signature: Date: Michael J. Geile Full Name of joint inventor number 3: Terrance J. Hill Citizenship: United States of America Residence: Fairfield, OH Post Office Address: 1765 Garrett House Lane Fairfield, OH 45014 Signature: Date: Terrance J. Hill <u>L</u> Full Name of joint inventor number 4: Harold A. Roberts United States of America Citizenship: Residence: Eden Prairie, MN Post Office Address: 7017 Beacon Circle Eden Prairie, MN 55346 Signature: Date:

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X Additional inventors are being named on separately numbered sheets, attached hereto.

Harold A. Roberts

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Full Name of joint inver Citizenship: Post Office Address:	United States of America 11430 - 50th Place North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Brian D. Anderson	Date:	
Full Name of joint inver Citizenship: Post Office Address:	**************************************	Residence: Eden Prairie, MN	_
Signature:	Eden Prairie, MN 55347	Date:	
	Jeffrey Brede	·	
Full Name of joint inven Citizenship: Post Office Address:	tor number 7: Mark S. Wadman United States of America 8956 Braxton Drive	Residence: Eden Prairie, MN	
[1] Signature:	Eden Prairie, MN 55347	Date:	
E TOTAL TOTA	Mark S. Wadman		_
Full Name of joint inven Gitizenship: Post Office Address:	tor number 8: Robert J. Kirscht United States of America 13106 Vernon Avenue South Savage, MN 55378	Residence: Savage, MN	
Signature:	Robert J. Kirscht	Date:	
			-

Signature:

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Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

X Additional inventors are being named on separately numbered sheets, attached hereto.

Jeff Solum

Our Ref. 500.623US1 Serial No. 08/673,002	
Filing Date: June 28, 199	١
I hereby de	•

Signature:

clare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful falsestatements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 13: Debra Lea Enfield Residence: Chaska, MN United States of America Citizenship: 464 Ridge Court Post Office Address: Chaska, MN 55318 Signature: Date: Debra Lea Enfield Full Name of joint inventor number 14: Darrell Berg **United States of America** Residence: Bloomington, MN Citizenship: Post Office Address: 4900 West 78th Street Bloomington, MN 55435 Signature: Date: Darrell Berg 7 Full Name of joint inventor number 15: Thomas Smigelski Citizenship: **United States of America** Residence: Lake Zurich, IL Post Office Address: 230 Waterford Drive Lake Zurich, IL 60047 Signature: Date: Thomas Smigelski i.i. Full Name of joint inventor number 16: Thomas C. Tucker Citizenship: United States of America Residence: Chapel Hill, NC Post Office Address: 205 Silver Creek Trail Chapel Hill NC 27514

Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inve Citizenship: Post Office Address:	ntor number 17: <u>Joe Hall</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Joe Hall	Date:	
Full Name of joint inver Citizenship: Post Office Address:	ntor number 18: John M. Logajan United States of America 4248 Hamline Avenue Arden Hills, MN 55112	Residence: Arden Hills, MN	<del>-</del>
Signature:	John M. Logajan	Date:	
Citizenship: Post Office Address:	ntor number 19: Somvay Boualouang United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Somvay Boualouang	Date:	
	united States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	·
Signature:	Heng Lou	Date:	
			<del>-</del>

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Full Name of joint inventicitizenship: Post Office Address:	or number 21: Mark D. Elpers United States of America 16303 205th Avenue NW Elk River, MN 55330	Residence: Elk River, MN	
Signature:	Mark D. Elpers	Date:	
-	or number 22 : Matt Downs		
Citizenship: Post Office Address:	United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:		Date:	
	Matt Downs		
<b>'</b>	or number 23: Tammy Ferris		
Gitizenship: Post Office Address:	United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:		Date:	
	Tammy Ferris		
ii Full Name of inint invent	and the second s		
Ein Name of Joint invento Citizenship: Post Office Address:	or number 24: Adam Opoczynski United States of America 3705 Roxbury Lane Plano, TX 75025	Residence: Plano, TX	
Signature:		Date:	

Citizenship:

Signature:

Post Office Address:

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 25: David S. Russell Residence: Minneapolis, MN Citizenship: United States of America Post Office Address: 5145 Luverne Avenue Minneapolis, MN 55419 Date: Signature: David S. Russell Full Name of joint inventor number 26: Calvin G. Nelson United States of America Residence: Shorewood, MN 26190 Birch Bluff Road Post Office Address: Shorewood, MN 55331 Signature: Date: Calvin G. Nelson Full Name of joint inventor number 27: Niranian R. Samant Citizenship: United States of America Residence: Middletown, CT Post Office Address: 229 Ridgefield Drive Middletown, CT 06547 Ш Signature: Date: IJ Niranjan R. Samant 14

Residence: Trumbull, CT

Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

X Additional inventors are being named on separately numbered sheets, attached hereto.

United States of America

6 Ranch Drive Trumbull, CT 06611

Joseph F. Chiappetta

Full Name of joint inventor number 28: Joseph F. Chiappetta

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Full Name of joint inven Citizenship: Post Office Address:	tor number 29: Scott Saratkowski United States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Samikowski	Dete:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Egignature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:	•	Residence:	•
Signature:		Date:	

#### § 1.56 Duty to disclose information material to patentability.

- A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent (a) examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

## United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT</u>.

The specification of which was filed on June 28, 1996 as application serial no. 08/673,002 and was amended on September 24, 1996.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

l acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 10 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

No such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national for PCT international filing date of this application.

Application Number	Filing Date	Status
Application Number 08/311,964 08/457,317	September 26, 1994	Allowed
08/457,317	June 1, 1995	Pending
08/457,295	June 1, 1995	Pending
08/457,295 08/650,408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embretson, Janet E.	Reg. No. 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610	Fogg, David N.	Reg. No. 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Kalinowski, Leonard J.	Reg. No. 24,207	Slifer, Russell D.	Reg. No. 39,838
Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine 1.	Reg. No. 40,052	Viksnins, Ann S.	Reg. No. 37,748
Clark, Barbara J.	Reg. No. 38,107	Kluth, Daniel J	Reg. No. 32,146	Woessner, Warren D.	Reg No. 30,440
Drvia Michael A	Reg No 39 662	Lemaire Charles A	Rec No 36 198		•

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)339-0331

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inve			
Citizenship:	United States of America	Residence: Cincinnati, OH	
Post Office Address:	6558 Baywood Lane		
	Cincinnati, OH 45224		
Signature:		Date:	
	Mark J. Dapper		
Full Name of joint inver	ntor number 2: Michael J. Geile		
Citizenship:	United States of America	Residence: Loveland, OH	
Post Office Address:	316 Miami Valley Drive		
	Loveland, OH 45140		
ė.		Date	
Signature:	Michael J. Geile	Date:	
	Michael J. Gelie		
Full Name of joint inver	ntor number 3: Terrance J. Hill		
Citizenship:	United States of America	Residence: Fairfield, OH	
Post Office Address:	1765 Garrett House Lane	•	
	Fairfield, OH 45014		
<b>7</b>			
Signature:		Date:	
	Terrance J. Hill		
:= :Eull Nama of inint inve	ster number 4 . Handl 4 Debests		
Full Name of joint inver Citizenship:	ntor number 4: Harold A. Roberts United States of America	Residence: Eden Prairie, MN	
Post Office Address:	7017 Beacon Circle	Residence. Edell I I all Re, Phil	
tost office rouges.	Eden Prairie, MN 55346		
Signature:		Date:	
	Harold A. Roberts		

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Full Name of joint inve			
Citizenship:	United States of America	Residence: Plymouth, MN	
Post Office Address:	11430 - 50th Place North		
	Plymouth, MN 55442		
<b>C</b> :		Date:	
Signature:	Brian D. Anderson	Date.	· · · · · · · · · · · · · · · · · · ·
	D. M. D. 74100001		
Full Name of joint inve	ntor number 6: Jeffrey Brede		
Citizenship:	United States of America	Residence: Eden Prairie, MN	
Post Office Address:	8073 Curtis Lane		
	Eden Prairie, MN 55347		
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
Signature:		Date:	····
한 62부 	Jeffrey Brede	•	
Full Name of joint inver		Paridonas Edon Parido MAI	
Citizenship:	United States of America	Residence: Eden Prairie, MN	
Post Office Address:	8956 Braxton Drive		
# . <u> </u>	Eden Prairie, MN 55347		
Šionature:		Date:	
Signature:	Mark S. Wadman		
The state of the s			
Full Name of joint inver	ntor number 8: Robert J. Kirscht		
Citizenship:	United States of America	Residence: Savage, MN	
Post Office Address:	13106 Vernon Avenue South		
i di	Savage, MN 55378		
Signature:		Date:	
	Robert J. Kirscht		
	<del></del>		

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Citizenship: Post Office Address:	United States of America 1894 Sunrise Court Eagan, MN 55122	Residence: Eagan, MN	
Signature:	James J. Herrmann	Date:	
Full Name of joint inve Citizenship: Post Office Address:	ntor number 10: <u>Michael J. Fort</u> United States of America 1045 Northview Park Eagan, MN 55123	Residence: Eagna, MN	
Signature:	Michael J. Fort	Date:	
22 ·	ntor number 11: Steven P. Buska United States of America 13370 Stanton Drive Minnetonka, MN 55305	Residence: Minnetonka, MN	•
Signature:	Steven P. Buska	Date:	
14	ntor number 12: <u>Jeff Solum</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	•
Signature:	Jeff Solum	Date:	
			•

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Full Name of joint inver Citizenship: Post Office Address:	ntor number 13: <u>Debra Lea Enfield</u> United States of America 464 Ridge Court Chaska, MN 55318	Residence: Chaska, MN	
Signature:	Debra Lea Enfield	Date:	
Full Name of joint inver Citizenship: Post Office Address:	ntor number 14: <u>Darrell Berg</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Darrell Berg	Date:	
Full Name of joint inver Gitizenship: Post Office Address:	ntor number 15: Thomas Smigelski United States of America 230 Waterford Drive Lake Zurich, IL 60047	Residence: Lake Zurich, IL	ŕ
Signature:	Thomas Smigelski	Date:	
Eull Name of joint inver Citizenship: Post Office Address:	ntor number 16: Thomas C. Tucker United States of America 205 Silver Creek Trail Chapel Hill, NC 27514	Residence: Chapel Hill, NC	
Signature:	Thomas C. Tucker	Date:	

Page	6	of	10	

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Full Name of joint inver Citizenship: Post Office Address:	ntor number 17: <u>Joe Hall</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Joe Hall	Date:	
Full Name of joint inver Citizenship: Post Office Address:	ntor number 18: John M. Logaian United States of America 4248 Hamline Avenue Arden Hills, MN 55112	Residence: Arden Hills, MN	_
Signature:		Date:	<del></del>
	John M. Logajan		
E	ntor number 19: Somvay Boualouang United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN  Date:	
	Somvay Boualouang		
Full Name of joint inventions.  Citizenship:  Post Office Address:	untor number 20: Heng Lou United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:		Date:	
	Heng Lou		
			<del></del>

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Citizenship:	r number 21: Mark D. Elpers United States of America	Residence: Elk River, MN
Post Office Address:	16303 205th Avenue NW Elk River, MN 55330	
Signature:	171ch	Dete:
	Mark D. Elpers	
	number 22: Matt Downs	
Citizenship: Post Office Address:	United States of America 4900 West 78th Street	Residence: Bloomington, MN
rusi Utilice Address:	Bloomington, MN 55435	
$\mathcal{M}_{I}$	7 8 2	Dette: 1-21-97
Signature:///	Matt Downs	Date: 1-21-7/
	Wat Downs	
Full Name of joint inventor Citizenship:	number 23: Tammy Ferris United States of America	Residence: Bloomington, MN
Post Office Address:	4900 West 78th Street	Residence: Diodunigua, MIN
	Bloomington, MN 55435	
Signature:		Date:
	Tammy Ferris	
-		
Full Name of joint inventor	number 24: Adam Opoczynski	
	United States of America	Residence: Plano, TX
Citizenship:		•
Citizenship:	3705 Roxbury Lane	
Citizenship:	3705 Roxbury Lane Plano, TX 75025	
	· · · · · · · · · · · · · · · · · · ·	Date:

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Post Office Address:

Signature:

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Date:

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X Additional inventors are being named on separately numbered sheets, attached hereto.

3705 Roxbury Lane

Plano, TX 75025

Adam Opoczynski

Our R	ef. 504	0.623	US I	
Senal	No. 0	<b>2</b> /673	,002	2
Filing	Date:	June	28,	1996

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Full Name of joint inve Citizenship: Post Office Address:	ntor number 25: <u>David S. Russell</u> United States of America 5145 Luverne Avenue Minneapolis, MN 55419	Residence: Minneapolis, MN
Signature:		Date:
	David S. Russell	
Full Name of joint inve	ntor number 26: <u>Calvin G. Nelson</u> United States of America	Residence: Shorewood, MN
Post Office Address:	26190 Birch Bluff Road Shorewood, MN 55331	
Signature:		Date:
	Calvin G. Nelson	
	ntor number 27: Niranjan R. Samant	
Citizenship:	United States of America /NOA	Residence: Middletown, CT
Post Office Address:	229 Ridgefield Drive	
3.6T	Middletown, CT 06547	, 1
Signature:	Daman	Date: 1/23/97
# # # # # # # # # # # # # # # # # # #	Niranjan K. Samant	
<u>.</u>		
•	ntor number 28: Joseph F. Chiappetta	D. M
Citizenship:	United States of America 6 Ranch Drive	Residence: Trumbull, CT
Post Office Address:	Trumbull CT 06611	
	1501	4 1/2.2/17
Signature:	Joseph F. Chiappetta	the Date: 1/23/17
	•	

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Signature:	Scott Samikowski	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
i Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
i Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	

Ĭ.A.

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  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
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#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

# **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT.

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I hereby claim foreign priority benefits under Title 35, United States Code, \$119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

#### No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

#### No such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Number	Filing Date	Status
08/311,964	September 26, 1994	Allowed
	June 1, 1995	Pending
08/457,317 08/457,295 08/650,408	June 1, 1995	Pending
<sup>1</sup> 08/650.408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embretson, Janet E.	Reg. No. 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610	Fogg, David N.	Reg. No. 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Kalinowski, Leonard J.	Reg. No. 24,207	Slifer, Russell D.	Reg. No. 39,838
Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Viksnins, Ann S.	Reg. No. 37,748
Clark, Barbara J.	Reg No. 38,107	Kluth, Daniel J.	Reg. No. 32,146	Woessner, Warren D.	Reg. No. 30,440
Devia Michael A	Reg No 39 662	Lemaire Charles A	Res No. 36 198		•

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/ firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402

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Post Office Address:	1765 Garrett House Lane Fairfield, OH 45014	
Cianatura		Date:
Signature.	Terrance J. Hill	
. ·	or number 4: Harold A. Roberts	
Citizenship:	United States of America	Residence: Eden Prairie, MN
Post Office Address:	7017 Beacon Circle Eden Prairie, MN 55346	
Signature:	mall I Andrest	Date: 1/2//97
Signature:		Date.

X Additional inventors are being named on separately numbered sheets, attached hereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

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Signature:

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 5: Brian D. Anderson Citizenship: United States of America Residence: Plymouth, MN Post Office Address: 11430 - 50th Place North Plymouth, MN 55442 Signature: Brian D. Anderson Full Name of joint inventor number 6: Jeffrey Brede Citizenship: **United States of America** Residence: Eden Prairie, MN Post Office Address: Signature: Full Name of joint inventor number 7: Mark S. Wadman Citizenship: **United States of America** Residence: Eden Prairie, MN Post Office Address: 8956 Braxton Drive Eden Prairie, MN 55347 Signature: Date: Mark S. Wadman Full Name of joint inventor number 8: Robert J. Kirscht Citizenship: United States of America Residence: Savage, MN Post Office Address: 13106 Vernon Avenue South Savage, MN 55378 l - 21 - 97

Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

Full Name of joint inventor Citizenship: Post Office Address:	number 9: James J. Herrmana United States of America 1894 Sunrise Court	Residence: Eagan, MN
Signature:	James J. Herrmann	Date: <u>1/23/97</u>
Full Name of joint inventor Citizenship: Post Office Address:	number 10: Michael J. Fort United States of America 1045 Northview Park	Residence: Eagan, MN
Signature:	Michael J. Fort	Dete: 1/22/97
	r number 11: Steven P. Buska United States of America 13370 Stanton Drive Minnetonka, MN 55305	Residence: Minnetonka, MN
Signature:	Steven P. Buska	Date:
Full Name of joint invento Citizenship: Post Office Address:	r number 12: <u>Jeff Solum</u> United States of America 4900 West 78th Street  // Bloomington, MN 55435	Residence: Bloomington, MN
Signature:	for the solum	Date:
X Additional inventors are	being named on separately numbered sho	eets, attached hereto.

belief are believed to be to	rue: and further that these statements were t	cnowledge are true and that all statements made on informati nade with the knowledge that willful false statements and the 1001 of Title 18 of the United States Code and that such will it issued thereon.	like so
Full Name of joint invent Citizenship: Post Office Address:	or number 13: <u>Debra Lea Enfield</u> United States of America 464 Ridge Court Chaska, MN 55318	Residence: Chaska, MN	
Signature:	Debra Lea Enfield	Dete:	
Full Name of joint invent Citizenship: Post Office Address:	or number 14: <u>Darrell Berg</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Darrell Berg	Date: 4/12/97	
Full Name of joint invent Citizenship: Post Office Address:	or number 15: Thomas Smigelski United States of America 230 Waterford Drive Lake Zurich, IL 60047	Residence: Lake Zurich, IL	
Signature:	Thomas Smigelski	Date:	
i i	tor number 16: Thomas C. Tucker United States of America 205 Silver Creek Trail Chapel Hill, NC 27514	Residence: Chapel Hill, NC	·
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Thomas C. Tucker

Full Name of joint inventor Citizenship: Post Office Address:	number 17: <u>Joe Hall</u> United States of America 4900 West 78th Street	Residence: Bloomington, MN
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Signature:	Heng You	Date: 1/22/97
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Full Name of joint invento Citizenship: Post Office Address:	r number 21: Mark D. Elpers United States of America 16303 205th Avenue NW Elk River, MN 55330	Residence: Elk River, MN	
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14			
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X Additional inventors are I	being named on separately numbered she	ets, attached hereto.	

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O.B.I.I.I.	David S. Russell	——————————————————————————————————————	
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Signature:		Date:	
	Calvin G. Nelson	Dut.	
507 1000 1007 1007 1007	Calvai C. Nelson		
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Full Name of joint inves	ntor number 27: Niranian R. Samant		
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	Middletown, CT 06547		
Cionatum			
Signature:	Missaisa P. Carrant	Date:	
<del>.</del> 1. ·	Niranjan R. Samant		
<del></del>			
= : Eull Name of ioint inver	ntor number 28: Joseph F. Chiappetta		
E Citizenship:		D 11	
<u>.</u>	United States of America	Residence: Trumbull, CT	
Post Office Address:	6 Ranch Drive		
	Trumbull, CT 06611		
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Signature:		Date:	
	Joseph F. Chiappetta		

Full Name of joint inven Citizenship: Post Office Address:	united States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Sarnikowski	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	<b>-</b>
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
44		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	<del>-</del>
Signature:		Date:	

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# § 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by \$\frac{5}{2}\$ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced of attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

# **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name: that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT.

The specification of which was filed on June 28, 1996 as application serial no. 08/673.002 and was amended on September 24, 1996.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37. Code of Federal Regulations, 1.56 (see page 10 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, 119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

#### No such applications have been filed.

5 5

ļ. I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application an the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national of PCT international filing date of this application.

Application Number	Filing Date	Status
08/311,964	September 26, 1994	Allowed
08/457,317	June 1, 1995	Pending
08/457,295	June 1, 1995	Pending
08/650,408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embresson, Janet E. Fogg, David N. Forrest, Bradley A. Holloway, Sheryl S. Kalinowski, Leonard J.	Reg. No. 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610		Reg. No. 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080		Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836		Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075		Reg. No. 24,207	Slifer, Russell D.	Reg. No. 39,838
Burke, John E. Clark, Barbara J. Dryja, Michael A.	Reg. No. 35,836 Reg. No. 38,107 Reg. No. 39,662	Klima-Silberg, Catherine I. Kluth, Daniel J. Lemaire, Charles A.	Reg. No. 40,052 Reg. No. 32,146 Reg. No. 36,198	Viksnins, Ann S. Woessner, Warren D.	Reg. No. 37,748 Reg. No. 30,440

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/ firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)339-0331

Our R	ef. 50	0.623	USI	1
Serial	No. 0	<b>8/673</b>	,002	2
Filing	Date	junc	28,	1990

Full Name of joint inver Citizenship: Post Office Address:	United States of America 6558 Baywood Lane Cincinnati, OH 45224	Residence: Cincinnati, OH	
Signature:	Mark J. Dapper	Date:	
Full Name of joint inventional Citizenship: Post Office Address:	ntor number 2: Michael J. Geile United States of America 316 Miami Valley Drive Loveland, OH 45140	Residence: Loveland, OH	_
Signature:		Date:	
	Michael J. Geile		_
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Signature:	Terrance J. Hill	Date:	
Full Name of joint inve Citizenship: Post Office Address:	ntor number 4: Harold A. Roberts United States of America 7017 Beacon Circle	Residence: Eden Prairie, MN	
Signature:	Eden Prairie, MN 55346	Date:	
Jignature	Harold A. Roberts		
			_

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that-these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inven Citizenship: Post Office Address:	tor number 5: Brian D. Anderson United States of America 11430 - 50th Place North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Brian D. Anderson	Date:	
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Full Name of joint invent Citizenship: Post Office Address:	or number 8: Robert J. Kirscht United States of America 13106 Vernon Avenue South Savage, MN 55378	Residence: Savage, MN	
Signature:	Robert J. Kirscht	Date:	

Full Name of joint inve	<u> </u>		
Citizenship:	United States of America	Residence: Eagan, MN	
Post Office Address:	1894 Sunrise Court		
	Eagan, MN 55122		
Signature:		Date:	
	James J. Herrmann		
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Signature:	•	Date:	
	Michael J. Fort		
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Post Office Address:	13370 Stanton Drive	residence: mindelonks, mil	
M	Minnetonka, MN 55305		
***	"Intervention, Will 22202		
Signature:		Date:	
	Steven P. Buska		
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Citizenship:	ntor number 12: <u>Jeff Solum</u> United States of America	Peridence: Planminates MAI	
Post Office Address:	4900 West 78th Street	Residence: Bloomington, MIN	
	Bloomington, MN 55435		
₩.:	Dissimilation, Mil 25433		
Signature:		Date:	
	Jeff Solum		
			_
V Additional incomes			-
▼ vacinous inventors	are being named on separately numbered shee	ts, attached hereto.	

Page 5 of 10

Our Ref. 500.623US1 Serial No. 08/673,002		Page 5 of i
pelief are believed to be true		knowledge are true and that all statements made on information and made with the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful false at issued thereon.
Full Name of joint inventor Citizenship: Post Office Address:	number 13: <u>Debra Lea Enfield</u> United States of America 464 Ridge Court Chaska, MN 55318	Residence: Chaska, MN
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ignature:	Oebra Lea Enfield	
Full Name of joint inventor Litizenship: Post Office Address:	number 14: <u>Darrell Berg</u> United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN
ionature'		Date:
ignature:	Darrell Berg	
	number 15: Thomas Smigelski United States of America 230 Waterford Drive Lake Zurich, IL 60047	Residence: Lake Zurich, IL
Signature: Than	Marke Zaridi, iz booking Smigelski	Delc: 1/29/86
full Name of joint inventor litizenship: lost Office Address:	number 16: Thomas C. Tucker United States of America 205 Silver Creek Trail Chapel Hill, NC 27514	Residence: Chapel Hill, NC
e Signature:		Datc:
	Thomas C. Tucker	

ohn M. Logaian ates of America line Avenue s, MN 55112	Residence: Arden Hills, MN  Date:	
ites of America line Avenue		
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	Date:	
s, MN 55112	Date:	
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tes of America	Residence: Bloomington, MN	
78th Street		
on, MN 55435		
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	78th Street	78th Street

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
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Signature:	Mat D El	Date:	
	Mark D. Eipers		
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Citizenship:	United States of America	Residence: Bloomington, MN	
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	Bloomington, MN 55435		•
Signature:		Date:	
	Matt Downs		
222			
	ntor number 23: Tammy Ferris		
Citizenship:	United States of America	Residence: Bloomington, MN	
Post Office Address:	4900 West 78th Street		
Į.	Bloomington, MN 55435		
Signature:		Date:	
2. The second se	Tammy Ferris		
2			
<u></u>			
	ntor number 24: Adam Opoczynski	· ·	
Citizenship:	United States of America	Residence: Plano, TX	
Post Office Address:	3705 Roxbury Lane		
ur	/ Plano, TX 75025		
Cianatura	H. Che woul.	Date: 1- 24, 199	7
Signature:	Add One and i	Date:	
	Adam Opoczynski	$\nu$	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

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Signature:		Date:	
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Signature:		Date:	
	Calvin G. Nelson		
98F -	namba 27 . Nimaia P. Camad		
Fun Name of Joint invento Eitizenship:	or number 27: Niranjan R. Samant United States of America	Residence: Middletown, CT	
Post Office Address:	229 Ridgefield Drive	Residence. Middletown, CI	
	Middletown, CT 06547		
		Date:	
	Niranjan R. Samant		
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Full Name of joint invento	or number 28: Joseph F. Chiappetta		
Eitizenship:	United States of America	Residence: Trumbull, CT	
ost Office Address:	6 Ranch Drive	tronomor, arampan, Ca	
	Trumbull, CT 06611		
Signature:		Date:	
	Joseph F. Chiappetta		
-			
X Additional inventors are	being named on separately numbered sheet	s. attached hereto.	
		-,	

Our Ref. 500.623US1	
Serial No. 08/673,002	
Filing Date: June 28, 1996	5

Full Name of joint inveni Citizenship: Post Office Address:	tor number 29: Scott Sarnikowski United States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Sarnikowski	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Šignature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	

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### § 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

# **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT**.

The specification of which was filed on June 28, 1996 as application serial no. 08/673.002 and was amended on September 24, 1996.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 10 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, \$119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

## No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

## No such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national of PCT international filing date of this application.

Application Number	Filing Date	<u>Status</u>
08/311,964	September 26, 1994	Allowed
087457,317	June 1, 1995	Pending
08/457,295	June 1, 1995	Pending
08/650,408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embretson, Janet E.	Reg. No 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610	Fogg, David N.	Reg. No. 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S	Reg. No. 37,850	Schwegman, Micheal L.	Reg No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Kalinowski, Leonard J.	Reg. No 24,207	Slifer, Russell D.	Reg No. 39,838
Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Viksnins, Ann S.	Reg No. 37,748
Clark, Barbara J.	Reg No. 38,107	Kluth, Daniel J	Reg. No 32,146	Woessner, Warren D.	Reg. No. 30,440
Dryja, Michael A.	Reg. No. 39,662	Lemaire, Charles A.	Reg. No. 36,198		

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)339-0331

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	Mark J. Dapper		
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100,01110,1111	Loveland, OH 45140		
	,		
Signature:		Date:	
0.6	Michael J. Geile		
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4.2	• • • • • • • • • • • • • • • • • • • •		
Signature:		Date:	
Lil	Terrance J. Hill		
and man	1 011 000 01 0100		
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Fruit Name of Joint Miver Ecitizenship:	United States of America	Residence: Eden Prairie, MN	
Post Office Address:	7017 Beacon Circle	1,000,000,000,000,000,000	•
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7	Eden Flanic, WIN 33340		
Signature:		Date:	
Signature:	Harold A. Roberts		
	Havia A. Novels		
			-

 $<sup>\</sup>underline{X}$  Additional inventors are being named on separately numbered sheets, attached hereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Citizenship:	United States of America	Residence: Plymouth, MN	
Post Office Address:	11430 - 50th Place North	•	
l Ost Office Muness.	Plymouth, MN 55442		
	1 lymodul, vo v i		
Signature:		Date:	
oigiataro.	Brian D. Anderson		
Full Name of joint inven			_
Citizenship:	United States of America	Residence: Eden Prairie, MN	
Post Office Address:	8073 Curtis Lane		
, 000 0 11100 1100 1000	Eden Prairie, MN 55347		
Signature:		Date:	
į.i.	Jeffrey Brede		
	•		
			<b>-</b>
Full Name of joint inven	tor number 7: Mark S. Wadman		
Citizenship:	United States of America	Residence: Eden Prairie, MN	
Post Office Address:	8956 Braxton Drive		
Fost Office Address.	Eden Prairie, MN 55347		
	Eddi Hanie, Mit 333 (7		
Signature:		Date:	
	Mark S. Wadman		
gar note.			-
Full Name of joint inven	tor number 8: Robert J. Kirscht		
Citizenship:	United States of America	Residence: Savage, MN	
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Post Office Address.	Savage, MN 55378		•
	Savage, MIN 33376		
•		Date:	
Signature:	Dahart I Virgoht	Date.	······································
	Robert J. Kirscht		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Fuli Name of joint inventor number 9: James J. Herrmann **United States of America** Residence: Eagan, MN Citizenship: 1894 Sunrise Court Post Office Address: Eagan, MN 55122 Date: Signature: James J. Herrmann Full Name of joint inventor number 10: Michael J. Fort Residence: Eagan, MN United States of America Citizenship: 1045 Northview Park Post Office Address: Eagan, MN 55123 Date: Signature: Michael J. Fort <u>|</u>... [2] Full Name of joint inventor number 11: Steven P. Buska Residence: Minnetonka, MN United States of America Citizenship: 13370 Stanton Drive Post Office Address: Minnetonka, MN 55305 L/I Date: Signature: Steven P. Buska Full Name of joint inventor number 12: Jeff Solum Residence: Bloomington, MN Citizenship: **United States of America** Post Office Address: 4900 West 78th Street Bloomington, MN 55435 TL Date: Signature:

 $\underline{X}$  Additional inventors are being named on separately numbered sheets, attached hereto.

Jeff Solum

Post Office Address:

TU

Signature:

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 13: - Debra Lea Enfield Residence: Chaska, MN United States of America Citizenship: 464 Ridge Court Post Office Address: Chaska, MN 55318 Date: Signature: Debra Lea Enfield Full Name of joint inventor number 14: Darrell Berg United States of America Residence: Bloomington, MN Citizenship: 4900 West 78th Street Post Office Address: Bloomington, MN 55435 Date: Signature: Darrell Berg -Full Name of joint inventor number 15: Thomas Smigelski Residence: Lake Zurich, IL United States of America Citizenship: 230 Waterford Drive Post Office Address: Lake Zurich, IL 60047 IT Date: Signature: Thomas Smigelski Œ į. Full Name of joint inventor number 16: Thomas C. Tucker Residence: Chapel Hill, NC **United States of America** Citizenship:

Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

X Additional inventors are being named on separately numbered sheets, attached hereto.

Thomas C. Tucker

205 Silver Creek Trail

Chapel Hill, NC 27514

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 17: -Joe Hall Residence: Bloomington, MN United States of America Citizenship: 4900 West 78th Street Post Office Address: Bloomington, MN 55435 Date: Signature: Joe Hall Full Name of joint inventor number 18: John M. Logajan Residence: Arden Hills, MN United States of America Citizenship: 4248 Hamline Avenue Post Office Address: Arden Hills, MN 55112 Date: Signature: John M. Logajan in sin -Full Name of joint inventor number 19: Somvay Boualouang Residence: Bloomington, MN United States of America Citizenship: 4900 West 78th Street Post Office Address: Bloomington, MN 55435 أيه ال ım Date: Signature: Somvay Boualouang Ξ 12 Full Name of joint inventor number 20: Heng Lou Residence: Bloomington, MN **United States of America** Citizenship: Post Office Address: 4900 West 78th Street Bloomington, MN 55435 TU Date: Signature: Heng Lou

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

Full Name of joint invento Citizenship: Post Office Address:	or number 21: Mark D. Elpers United States of America 16303 205th Avenue NW Elk River, MN 55330	Residence: Elk River, MN	
Signature:	Mark D. Elpers	Date:	
•	Mark D. Elpeis		
	or number 22: Matt Downs	Decidence: Planmington MN	
Citizenship:	United States of America 4900 West 78th Street	Residence: Bloomington, MN	
Post Office Address:	Bloomington, MN 55435		
01	-	Date:	
Signature:	Matt Downs		
2 mm	Matt Downs		
Full Name of joint invento	or number 23: Tammy Ferris		
Citizenship:	United States of America	Residence: Bloomington, MN	
Post Office Address:	4900 West 78th Street	-	
	Bloomington, MN 55435		
	•		
Signature:		Date:	
2	Tammy Ferris		
	or number 24: Adam Opoczynski	n 'i ni mw	
Citizenship:	United States of America	Residence: Plano, TX	
Post Office Address:	3705 Roxbury Lane		
	Plano, TX 75025		
Signature:		Date:	
<b>U</b>	Adam Opoczynski		
X Additional inventors are	e being named on separately numbered she	ets, attached hereto.	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor nur Citizenship: Post Office Address:	mber 25: David S. Russell United States of America 5145 Luverne Avenue Minneapolis, MN 55419	Residence: Minneapolis, MN
Signature:Dav	rid S. Russell	Date:
Full Name of joint inventor nur Citizenship: Post Office Address:	united States of America 26190 Birch Bluff Road Shorewood, MN 55331	Residence: Shorewood, MN
Signature: Calc	vin G. Nelson	Date: May 20, 1997
Full Name of joint inventor nu Citizenship: Post Office Address:	mber 27: Niranjan R. Samant United States of America 229 Ridgefield Drive Middletown, CT 06547	Residence: Middletown, CT
Signature:  Nin	anjan R. Samant	Date:
Full Name of joint inventor nu Citizenship: Post Office Address:	mber 28: <u>Joseph F. Chiappetta</u> United States of America 6 Ranch Drive Trumbull, CT 06611	Residence: Trumbull, CT
Signature:	eph F. Chiappetta	Date:

Full Name of joint invent Citizenship: Post Office Address:	or number 29: Scott Sarnikowski United States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Sarnikowski	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	

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  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
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#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

# **United States Patent Application**

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT**.

The specification of which was filed on June 28. 1996 as application serial no. 08/673.002 and was amended on September 24, 1996.

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I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national of PCT international filing date of this application.

Application Number	Filing Date	<u>Status</u>
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0 <u>8</u> /311,964 0 <u>8</u> /457,317	June 1, 1995	Pending
08/457,295	June 1, 1995	Pending
08/650.408	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint invent Citizenship: Post Office Address:	Or number 1: · Mark J. Dapper United States of America 6558 Baywood Lane Cincinnati, OH 45224	Residence: Cincinnati, OH	
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2 Ang	Terrance J. Hill		_
Full Name of joint inven Citizenship: Post Office Address:	tor number 4: Harold A. Roberts United States of America 7017 Beacon Circle Eden Prairie, MN 55346	Residence: Eden Prairie, MN	
Signature:		Date:	
	Harold A. Roberts		
			_

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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*Signature: E E	Mark S. Wadman		
Full Name of joint invent Gitizenship: Post Office Address:	or number 8: Robert J. Kirscht United States of America 13106 Vernon Avenue South Savage, MN 55378	Residence: Savage, MN	
Signature:	Robert J. Kirscht	Date:	

	fine or imprisonment, or both, under Section ze the validity of the application or any pater	1001 of Title 18 of the United States Code and it issued thereon.	that such willful false
Full Name of joint inven Citizenship: Post Office Address:	tor number 9: James J. Herrmann United States of America 1894 Sunrise Court Eagan, MN 55122	Residence: Eagan, MN	•
Signature:	James J. Herrmann	Date:	
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	Steven P. Buska		
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Signature:	Jeff Solum	Date:	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

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Signature:	Darrell Berg	Date:	
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Signature:	Thomas Smigelski	Date.	
Full Name of joint inven Citizenship: Post Office Address:	tor number 16: Thomas C. Tucker United States of America 205 Silver Creek Trail Chapel Hill, NC 27514	Residence: Chapel Hill, NC	
Signature:	Thomas C. Tucker	Date:	
2 2 2	Thomas of Tuesda		
☐ ※ Additional inventors a	re being named on separately numbered she	ets, attached hereto.	

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Signature:	Joe Hall	Date:	<del></del>
Full Name of joint inve Citizenship: Post Office Address:	ntor number 18: John M. Logajan United States of America 4248 Hamline Avenue Arden Hills, MN 55112	Residence: Arden Hills, MN	-
Signature:		Date:	
	John M. Logajan		_
Full Name of joint invertible. Citizenship: Post Office Address:	united States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Somvay Boualouang	Date:	
Full Name of joint inver Citizenship: Post Office Address:	unter number 20: Heng Lou United States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN	
Signature:	Heng Lou	Date:	
			-

made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 21: Mark D. Elpers United States of America Residence: Elk River, MN Citizenship: 16303 205th Avenue NW Post Office Address: Elk River, MN 55330 Date: Signature: Mark D. Elpers Full Name of joint inventor number 22: Matt Downs United States of America Citizenship: Residence: Bloomington, MN Post Office Address: 4900 West 78th Street Bloomington, MN 55435 Signature: Date: Matt Downs g zg Full Name of joint inventor number 23: Tammy Ferris **United States of America** Citizenship: Residence: Bloomington, MN Post Office Address: 4900 West 78th Street Bloomington, MN 55435 إيوة Signature: Date: Tammy Ferris Full Name of joint inventor number 24: Adam Opoczynski Citizenship: **United States of America** Residence: Plano, TX Post Office Address: 3705 Roxbury Lane 12 Plano, TX 75025 Signature: Date:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

X Additional inventors are being named on separately numbered sheets, attached hereto.

Adam Opoczynski

Full Name of joint inven Citizenship: Post Office Address:	tor number 25: David S. Russell United States of America 5145 Luverne Avenue Minneapolis, MN 55419	Residence: Minneapolis, MN	•
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Full Name of joint inventitizenship: Post Office Address:	tor number 28: <u>Joseph F. Chiappetta</u> United States of America 6 Ranch Drive Trumbull, CT 06611	Residence: Trumbull, CT	-
Signature:	Joseph F. Chiappetta	Date:	
를 보 로그 X Additional inventors a	are being named on separately numbered shee	ts, attached hereto.	_

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Signature:	Scott Sarnikowski	
Full Name of inventor: Citizenship: Post Office Address:	Residence:	
Signature:	Date:	···
Full Name of inventor: Catizenship: Post Office Address:	Residence:	
Lil Signature:	Date:	
Eull Name of inventor: Gitizenship: Post Office Address:	Residence:	
[] Signature:	Date:	

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# § 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

#### SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

# **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT</u>.

The specification of which was filed on June 28, 1996 as application serial no. 08/673,002 and was amended on September 24, 1996.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 10 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, \$119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

#### No such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national of PCT international filing date of this application.

Application Number 08/311,964	Filing Date	Status
98/311,964	September 26, 1994	Allowed
<b>■08/457,317</b>	June 1, 1995	Pending
<b>08/457,295</b>	June 1, 1995	Pending
<b>Q8/650,408</b>	May 20, 1996	Pending

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Embretson, Janet E.	Reg. No. 39,665	Lempia, Bryan J.	Reg. No. 39,746
Bianchi, Timothy E.	Reg. No. 39,610	Fogg, David N.	Reg. No 35,138	Litman, Mark A.	Reg. No. 26,390
Billig, Patrick G.	Reg. No. 38,080	Forrest, Bradley A.	Reg. No. 30,837	Lundberg, Steven W.	Reg. No. 30,568
Billion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Kalinowski, Leonard J.	Reg. No. 24,207	Slifer, Russell D.	Reg. No. 39,838
Burke, John E.	Reg. No. 35,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Viksnins, Ann S.	Reg. No. 37,748
Clark, Barbara J.	Reg. No. 38,107	Kluth, Daniel J.	Reg. No. 32,146	Woessner, Warren D.	Reg. No 30,440
Drvia Michael A	Reg. No. 39,662	Lemaire, Charles A.	Reg. No. 36,198		-

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)339-0331

Full Name of joint inver Citizenship: Post Office Address:	Notes that the second s	Residence: Cincinnati, OH	
Signature:	Mark J. Dapper	Date:	
Full Name of joint inver Citizenship: Post Office Address:	ntor number 2: <u>Michael J. Geile</u> United States of America 316 Miami Valley Drive Loveland, OH 45140	Residence: Loveland, OH	
Signature:	Michael J. Geile	Date:	
Full Name of joint inven Citizenship: Post Office Address: Signature:	tor number 3: <u>Terrance J. Hill</u> United States of America 1765 Garrett House Lane Fairfield, OH 45014	Residence: Fairfield, OH  Date:	
	Terrance J. Hill		
Full Name of joint inven Citizenship: Post Office Address:	tor number 4: Harold A. Roberts United States of America 7017 Beacon Circle Eden Prairie, MN 55346	Residence: Eden Prairie, MN	
Signature:	Harold A. Roberts	Date:	· · · · · · · · · · · · · · · · · · ·
	re being named on separately numbered shee	ets, attached hereto.	

belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 5: Brian D. Anderson
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Signature: Date:

Brian D. Anderson

Full Name of joint inventor number 6: Jeffrey Brede
Citizenship: United States of America Residence: Eden Prairie, MN
Post Office Address: 8073 Curtis Lane

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and

	Brian D. Anderson		
Full Name of joint inver Citizenship: Post Office Address:	ntor number 6: <u>Jeffrey Brede</u> United States of America 8073 Curtis Lane Eden Prairie, MN 55347	Residence: Eden Prairie, MN	
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Full Name of joint inver Citizenship: Post Office Address:	ntor number 7: Mark S. Wadman United States of America 8956 Braxton Drive Eden Prairie, MN 55347	Residence: Eden Prairie, MN	
Signature:	Mark S. Wadman	Date:	
Full Name of joint inver Citizenship: Post Office Address:	utor number 8: Robert J. Kirscht United States of America 13106 Vernon Avenue South Savage, MN 55378	Residence: Savage, MN	
Signature:	Robert J. Kirscht	Date:	
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Full Name of joint invent Citizenship: Post Office Address:	or number 9: James J. Herrmann United States of America 1894 Sunrise Court Eagan, MN 55122	Residence: Eagan, MN	
Signature:	James J. Herrmann	Date:	
Full Name of joint invent Citizenship: Post Office Address:	or number 10: Michael J. Fort United States of America 1045 Northview Park Eagan, MN 55123	Residence: Eagan, MN	-
Signature:		Date:	
	Michael J. Fort		
Eull Name of joint invented in the control of the c	tor number 11: Steven P. Buska United States of America 13370 Stanton Drive Minnetonka, MN 55305	Residence: Minnetonka, MN  Date:	
	Steven P. Buska		
Full Name of joint inventions of the Crizenship: Post Office Address:	tor number 12: <u>Jeff Solum</u> United States of America  4900 West 78th Street  Bloomington, MN 55435	Residence: Bloomington, MN  Date:	
Signature:	Jeff Solum	Date.	-
			_

Full Name of joint inver Citizenship: Post Office Address:	ntor number 13: 'Debra Lea Enfield United States of America 464 Ridge Court Chaska, MN 55318	Residence: Chaska, MN
Signature:	Debra Lea Enfield  Debra Lea Enfield	Date: 5 May 1997
Full Name of joint inver Citizenship: Post Office Address:	united States of America 4900 West 78th Street Bloomington, MN 55435	Residence: Bloomington, MN
Signature:	Darrell Berg	Date:
Citizenship: Post Office Address:	ntor number 15: Thomas Smigelski United States of America 230 Waterford Drive Lake Zurich, IL 60047	Residence: Lake Zurich, IL
Signature:	Thomas Smigelski	Date:
Full Name of joint inve Chizenship: Post Office Address:	ntor number 16: Thomas C. Tucker United States of America 205 Silver Creek Trail Chapel Hill, NC 27514	Residence: Chapel Hill, NC
Signature:		Date:
	Thomas C. Tucker	
70 CATES 2 CATES 2 CATES 2 CATES 3 CATES	are being named on separately numbered she	ets, attached hereto.

Signature:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 17: Joe Hall United States of America Residence: Bloomington, MN Citizenship: 4900 West 78th Street Post Office Address: Bloomington, MN 55435 Date: Signature: Joe Hall Full Name of joint inventor number 18: John M. Logajan Residence: Arden Hills, MN Citizenship: United States of America 4248 Hamline Avenue Post Office Address: Arden Hills, MN 55112 Date: Signature: John M. Logajan Full Name of joint inventor number 19: Somvay Boualouang Residence: Bloomington, MN United States of America Citizenship: 4900 West 78th Street Post Office Address: Bloomington, MN 55435 22 Date: =Signature: Somvay Boualouang W ٦. Full Name of joint inventor number 20: Heng Lou Citizenship: United States of Ar United States of America Residence: Bloomington, MN Post Office Address: 4900 West 78th Street Bloomington, MN 55435 

Date:

X Additional inventors are being named on separately numbered sheets, attached hereto.

Heng Lou

Full Name of joint inve	ntor number 21 : - Mark D. Elpers		
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	Mark D. Elpers		
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Signature:		Date:	
organistic.	Matt Downs	Date.	
Full Name of joint inves	ntor number 23: Tammy Ferris		
Citizenship:	United States of America	Residence: Bloomington, MN	
Post Office Address:	4900 West 78th Street	residence. Discoming con, 1121	
1.4	Bloomington, MN 55435		
the charts are charts to the charts are charts are charts	,		
Signature:		Date:	
NAME OF THE PARTY	Tammy Ferris		
٦.,}			
	ntor number 24: Adam Opoczynski		
Citizenship:	United States of America	Residence: Plano, TX	
Post Office Address:	3705 Roxbury Lane		
	Plano, TX 75025		
Signature:		Date:	
	Adam Opoczynski		
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	are being named on separately numbered she		
x -Additional inventors a	ire being named on senarately niimbered she	ets attached hereto	

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Additional inventors are being named on separately numbered sheets, attached hereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

Citizenship: Post Office Address:	United States of America 13235 57th Avenue North Plymouth, MN 55442	Residence: Plymouth, MN	
Signature:	Scott Sarnikowski	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence;	
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	_
Signature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	

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